

CLAIMS:

1. A method of manufacturing an electrical suction unit for a vacuum cleaner, which suction unit comprises a turbine unit and an electric motor with a rotor and a stator, wherein the turbine unit is mounted to the rotor and forms, together with the rotor, a part of the suction unit that is rotatable about an axis of rotation, according to which method an amount of material is removed from the rotor in order to torque-balance the rotatable part, characterized in that in order to torque-balance the rotatable part, an amount of material is removed also from the turbine unit.
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2. A method as claimed in claim 1, characterized in that the amount of material that is removed from the rotor is situated near a side of the rotor facing away from the turbine unit.
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3. A method as claimed in claim 1, characterized in that the amount of material that is removed from the rotor is situated in a plane extending perpendicularly to the axis of rotation and through a center of gravity of the rotatable part.
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4. A method as claimed in claim 2 or 3, characterized in that by removing the amount of material from the turbine unit, the turbine unit itself is provided with a static imbalance equal to and oppositely directed to a static imbalance with which the rotor itself is provided by the removal of the amount of material from the rotor.
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5. A method as claimed in claim 4, characterized in that in a first step, a torque imbalance of the rotor itself is measured, in a second step the static imbalance with which the turbine unit and the rotor are to be provided to compensate for the measured torque imbalance of the rotor is predetermined, in a third step, the rotor is provided with the predetermined static imbalance, in a fourth step, the rotor is mounted to the turbine unit, and in a fifth step, the rotatable part is torque-balanced by providing the turbine unit with the predetermined static imbalance.
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6. A vacuum cleaner which is provided with an electrical suction unit manufactured in accordance with a method as claimed in claim 1, 2, 3, 4 or 5.